



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



July 10, 2001
Letter of Deficiency
DAM #061.02

Mr. James Alexander
Chairman of Selectmen
Town of Deerfield
P.O. Box 159
8 Old Center Road
Deerfield, NH 03037

RE: Freezes Pond Dam, Deerfield

Dear Chairman Alexander:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on May 11, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. There are trees and brush growing within 10 feet of the upstream face of the left cutoff wall and there is brush and small tree growth within 10 feet of the downstream face of the right overflow/emergency spillway;
2. Minor spalling concrete was observed at the base of the downstream right stoplog training wall;
3. Minor shrinkage cracking was observed in several locations along the concrete cap of the overflow/emergency spillway; and
4. There was no operational procedure plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

October 1, 2001:

1. Remove the trees and brush growing within 10 feet of the upstream face of the left cutoff wall and the brush and small tree growth within 10 feet of the downstream face of the right overflow/emergency spillway;
2. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel; and

Letter of Deficiency
Dam #061.02
July 10, 2001
Pg. 2

On a periodic basis:

3. Monitor the concrete along the entire length of the dam, specifically in the areas as noted above, for signs of deterioration and repair as necessary.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,


Dale E. Zukin
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule

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DFG/was/h:/safety/wendy/lod/061-02lod.doc